# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	11/05/2019 11/05/2019	Luz Dial

LM Start		Rating **	Α	Issue No.		2	
LM End		Issue Type +	Ма	Location *		N/A	
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &		0		0	
item				0		0	
DWR ID	DWR ID DWR_NA0001_01_s _ 2013_2						
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
The LMA has a written emergency plan and is scheduled for flood fight training in November 2019.							

No Photos

Rating \*\* Issue No. Α LM Start 24 Issue Type + Ма Location \* N/A LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Item Equipment DWR\_NA0001\_01\_s \_ 2013\_24 DWR ID Comment Code

No Photos

Inspector Comment

The LMA has flood fight supplies stored at various locations throughout the district.

LM Start		Rating **	Α	Issue No.		25	
LM End		Issue Type +	Ma	Location *	cation *		
Category Earthen Levee			GPS Latitude/Longitude				
				Start		End	
Itom	Item Operations & Maintenance Manuals				0		0
item					0		0
DWR ID	DWR_NA0	001_01_f _ 201	9_25				
		Comn	nent Cod	de			
	Inspector Comment						
The LMA h	nas a copy	of the O&M N	/lanual a	vailable at t	he c	office.	

No Photos

\* Location

N/A: Not Applicable

LS: Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	11/05/2019 11/05/2019	Luz Dial

LM Start	1.21	Rating **	М	Issue No.		45	
LM End	1.21	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Encroachi	38.6250	80°	38.625080 °			
пеш	tem				17°	-121.447517°	
DWR ID	DWR ID DWR_NA0001_01_f _ 2019_45						
		Comn	nent Cod	de			
DE : Debri	s						
		Inspecto	or Comm	nent			
Remove d	Remove debris from the levee slope.						

No Photos

Issue No. Rating \*\* 1.34 Ν 26 LM Start 1.34 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 38.625926° 38.625926° Item -121.445329 ° -121.445329° DWR\_NA0001\_01\_f \_ 2013\_26 DWR ID **Comment Code** T5: Tree stumps.

No Photos

Inspector Comment

LM Start	1.34	Rating **	С	Issue No.	76		
LM End	1.34	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Encroach	ments		38.6259	72°	38.625972°	
item			-121.4452	65 °	-121.445265 °		
DWR ID DWR_NA0001_01_s _ 2019_76							
Comment Code							

No Photos

TR: Tree or limb

Inspector Comment

Remove a fallen tree limb at the toe.

\* Location

LS: Land Side N/A: Not Applicable
WS: Water Side

Not Applicable A : Acc

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	11/05/2019 11/05/2019	Luz Dial

LM Start	1.36	Rating **	N	Issue No.		178	
LM End	1.36	Issue Type +	Ma	Location *		LS	
Category	Catagoria Earthen Levee				atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thin Trees				63°	38.626063°	
item				-121.4449	88°	-121.444988 °	
DWR ID DWR_NA0001_01_s _ 2012_178							
	Comment Code						
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			
There are	two stump	s at the lands	ide toe.				



11/17/2011 Two stumps at levee toe.

LM Start	1.41	Rating **	N	Issue No.	72		
LM End	1.41	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Trim / Thi	n Trees		38.6262	53°	38.626253°	
пеш	item				65 °	-121.444165°	
DWR ID DWR_NA0001_01_f _ 2015_72						·	
		_	. ^				

Comment Code

T5: Tree stumps.

Inspector Comment

No Photos

	LM Start	1.48	Rating **	С	Issue No.	75			
	LM End	1.48	Issue Type +	Ma	Location *	WS			
	Category Earthen Levee				GPS Latitude/Longitude				
	Category				Start		End		
	Slope Stability				38.6269	12°	38.626912	0	
	item				-121.4432	29°	-121.443229	0	
DWR ID DWR_NA0001_01_s _ 2017_75									
	Comment Code								

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

There are stairs dug into waterside levee slope.

No Photos

\* Location + Issue Type N : Not Inspected/Rated C : Corrected LS: Land Side N/A: Not Applicable A : Acceptable M : Minimally Acceptable WS: Water Side A/W : Acceptable but Monitor & Maintain U : Unacceptable En: Enforcement

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	11/05/2019 11/05/2019	Luz Dial

LM Start	1.50	Rating **	A/W	Issue No.	19			
LM End	1.50	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Animal Control			38.62717	78 °	38.627178°		
пеш				-121.44282	28°	-121.442828 °		
DWR ID DWR_NA0001_01_f _ 2017_19								
	Comment Code							

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

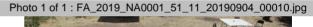
No Photos

LM Start	1.54	Rating **	A/W	Issue No.		11
LM End	1.54	Issue Type +	Ма	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Animal Co	ontrol		38.6272	98°	38.627298°
item				-121.4421	31 °	-121.442131 °
DWR ID DWR_NA0001_01_f _ 2017_11						

## Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

## Inspector Comment





View of the rodent activity on the levee slope.

LM Start	1.58	Rating **	A/W	Issue No.		54		
LM End	1.58	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee				GPS Latitude/Longitude			
Category				Start		End		
Item	Slope Sta	bility		38.6272	51°	38.627251 °		
пеш			-121.441460 ° -121.441460					
DWR ID DWR_NA0001_01_s _ 2012_54								

## Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

## Inspector Comment



Slope stability due to foot traffic needs to be monitored. Fall 2014

Location

N/A: Not Applicable LS: Land Side

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	11/05/2019 11/05/2019	Luz Dial

LM Start	1.61	Rating **	С	Issue No.		31
LM End	1.61	Issue Type +	Ма	Location *	LS	
Category	Earthen L	evee		GPS Latitude/Longit		
Calegory				Start	End	
Item	Trim / Thin Trees			38.627191 °		38.627191 °
пеш				-121.44086	1°	-121.440861 °
DWR ID	DWR_NA0	001_01_f _ 201	2_31			
Comment Code						
T5 : Tree s	stumps.					

Inspector Comment

No Photos

No Photos

LM Start	1.69	Rating **	С	Issue No.		65
LM End	1.69	Issue Type +	Ма	Location *		LS
Catagoni Earthen Levee				GPS Latitude/Longitude		
Calegory	Category					End
Item	Animal Control			38.6275	85°	38.627585°
item				-121.4395	61 °	-121.439561 °
DWR ID DWR_NA0001_01_f _ 2015_65						

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

## Inspector Comment

The LMA backfilled the hole and is actively monitoring the area.

LM Start	1.69	Rating **	С	Issue No.		48	
LM End	1.69	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	e/Longitude		
Calegory				Start		End	
Item	Vegetatio	n		38.6275	94°	38.627594	0
Item				-121.4395	40°	-121.439540	0
DWR ID	DWR_NA0	001_01_s _ 201	4_48				

Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

## Inspector Comment

Tree obstructing visibility and access.

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	11/05/2019 11/05/2019	Luz Dial

LM Start	1.69	Rating **	N	Issue No.		74
LM End	1.69	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Trim / Thi	n Trees		38.6276	07°	38.627607°
пеш				-121.4395	45°	-121.439545°
DWR ID	DWR_NA0	001_01_s _ 201	7_74			
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		
There is a	24-inch la	ge tree stump	at the I	evee toe.		



View of the tree stump at the levee toe.

LM Start	1.88	Rating **	С	Issue No.		60	
LM End	1.88	Issue Type +	Ma	Location *		LS	
Category	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End	
Item	Trim / Thi	m / Thin Trees 38.627870 ° 38.6					
пеш				-121.4361	88°	-121.436188°	
DWR ID	DWR_NA0	001_01_s _ 201	9_60				
		Comn	nent Cod	de			
T1: Trim t	rees to at I	east five feet	above g	round level			
	-						
		Inspecto	or Comm	nent			

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Itom	Vegetatio	getation			38.602847°		
пеш	Item			-121.472653 °		3° -121.472653°	
DWR ID	DWR_NA0	001_02_f _ 201	9_14				
		Comn	nent Coc	de			
	V1 : Control annual grass and weeds on the levee slopes and easements.						
	Inspector Comment						

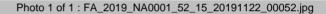
No Photos

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		WS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Vegetatio	n		38.602847°		38.602847°
пеш						-121.472653°
DWR ID	DWR_NA0	001_02_f _ 201	9_15			·

## Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment





View of well-maintained waterside vegetation. Fall 2019

Photo 1 of 1: FA\_2019\_NA0001\_52\_16\_20191122\_00053.jpg

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Earthen L	arthen Levee			GPS Latitude/Longitude		
Calegory				Start		End	
Item	Vegetatio	n		38.60284	17°	38.602847 °	
пеш				-121.47265	53°	-121.472653 °	
DWR ID	DWR_NA0	001_02_f _ 201	9_16				

## Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



View of well-maintained landside vegetation. Fall 2019

\* Location LS : Land Side

N/A: Not Applicable

WS : Water Side

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

Ma Ob

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	0.06	Rating **	С	Issue No.		19	
LM End	0.06	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.6035	75°	38.603575°	
пеш				-121.471976°		-121.471976°	
DWR ID	DWR_NA0	001_02_s _ 201	7_19				
		Comn	nent Cod	de			
ST : Stairw	<i>l</i> ay						
	Inspector Comment						
Stairs dug	Stairs dug into the levee slope by transients.						

No Photos

LM Start	0.17	Rating **	A/W	Issue No.		Issue No.		39
LM End	0.17	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee	GPS Latitude/Longitude					
Calegory						End		
Item	Slope Sta	bility		38.6044	55 °	38.604455°		
пеш					17°	-121.470417°		
DWR ID	DWR_NA0	001_02_f _ 201	8_39					

## Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

## Inspector Comment

Monitor footpath on waterside slope.

## Photo 1 of 1: FA\_2019\_NA0001\_52\_39\_20190904\_00017.jpg



View of stair steps dug into levee slope. Fall 2018

Photo 1 of 1: FA\_2019\_NA0001\_52\_23\_20190904\_00008.jpg

LM Start	0.33	Rating **	A/W	Issue No.		23
LM End	0.33	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee	GPS Latitude/Longitude			
Calegory			Start		End	
Item	Slope Sta	bility		38.6058	27°	38.605827°
пеш		•		-121.4680	71 °	-121.468071 °
DWR ID	DWR NA0	001 02 f 201	8 23			·

## Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

## Inspector Comment

Monitor footpath on levee slope.



View of footpath on levee slope. Fall 2018

\* Location

LS: Land Side WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	0.37	Rating **	С	Issue No.		21		
LM End	0.37	Issue Type +	Ма	Location *		LS		
Category	Cotogonia Earthen Levee					e/Longitude		
Category				Start		End		
Item	Slope Sta	bility		38.6064	30°	38.606430 °		
пеш				-121.467782 °		-121.467782 °		
DWR ID DWR_NA0001_02_f _ 2018_21								
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						
		Inspecto	or Comm	nent				
Repair slo	Repair slope damage.							

No Photos

Issue No. Rating \*\* С 0.73 35 LM Start 0.73 Issue Type + Ма Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.611458° 38.611458° Item -121.466495° -121.466495 ° DWR\_NA0001\_02\_f \_ 2018\_35 DWR ID Comment Code

No Photos

S1: Repair slope instability.

Inspector Comment

Monitor footpath damage.

LM Start	0.73	Rating **	С	Issue No.		24	
LM End	0.73	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Animal Co	ontrol		38.611529°		38.611529°	
пеш						-121.466801 °	
DWR ID	DWR_NA0	.0001_02_s _ 2016_24					
Comment Code							

No Photos

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

\* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	0.92	Rating **	С	Issue No.		41	
LM End	0.92	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Slope Sta	Slope Stability			40°	38.614240°	
пеш				-121.4666	45 °	-121.466645 °	
DWR ID	DWR_NA0	001_02_s _ 201	9_41				
Comment Code							
S2 : Repair the levee slope damaged by foot traffic and prevent access							

where possible.

Inspector Comment

Repair slope damage from footpath dug into levee.

Rating \*\* С Issue No. 0.93 LM Start 13 0.93 Issue Type + Location \* WS LM End Ma Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.614380° 38.614380° Item -121.466684° -121.466684° DWR\_NA0001\_02\_s \_ 2019\_13 DWR ID Comment Code DE: Debris

Inspector Comment

Remove homeless debris from crown and slope.

Rating \*\* Issue No. LM Start 0.99 40 0.99 Issue Type + Ma Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Erosion / Bank Caving 38.615296° 38.615296° Item -121.466856 ° -121.466856 DWR ID DWR\_NA0001\_02\_s \_ 2019\_40 Comment Code E1: Note and monitor erosion site. Inspector Comment Monitor erosion rills on slope.

No Photos

No Photos

No Photos

\* Location + Issue Type A : Acceptable M : Minimally Acceptable Ma : Maintenance Deficiancy N/A: Not Applicable LS: Land Side N: Not Inspected/Rated WS: Water Side C : Corrected Ob : Design & System Obsolescence U : Unacceptable A/W : Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.20	Rating **	С	Issue No.	37		
LM End	1.20	Issue Type +	Ma	Location *		LS	
Catagony	Category Earthen Levee			GPS Latitude/Longitude			
Calegory	Category				Start		
Item	Slope Sta	bility		38.6182	73 °	38.618273	0
пеш				-121.4674	18°	-121.467418	0
DWR ID	DWR_NA0	001_02_f _ 201	8_37				
		Comn	nent Cod	de			

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Monitor foot paths on slope.

1.40 Rating \*\* С Issue No. LM Start 26 1.40 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.621054° 38.621054° Item -121.468008 ° -121.468008° DWR\_NA0001\_02\_f \_ 2015\_26 DWR ID

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Monitor slope damage from vehicle traffic

No Photos

No Photos

LM Start	1.44	Rating **	С	Issue No.		34	
LM End	1.44	Issue Type +	Ma	Location *		LS	
Category	Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Slope Sta	bility		38.6216	82°	38.621682	0
item				-121.4681	28°	-121.468128	0
DWR ID	DWR_NA0	001_02_f _ 201	8_34				
		Comn	nent Coc	10			

S1: Repair slope instability.

Inspector Comment

Monitor slope damage from foot traffic.

No Photos

\* Location N/A: Not Applicable LS: Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.61	Rating **	С	Issue No.		45		
LM End	1.61	Issue Type +	Ma	Location *		LS		
Category	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End		
Item	Slope Sta	bility		38.624050 °		38.624050	٥	
пеш	item				-121.468653 °		0	
DWR ID	DWR_NA0	001_02_s _ 201	9_45					
		Comn	nent Cod	de				
S2 : Repai where pos		slope damag	jed by fo	ot traffic an	d pr	event access		
	Inspector Comment							

No Photos

Issue No. 1.71 Rating \*\* С LM Start 33 1.71 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.625528° 38.625528° Item -121.468865 ° -121.468865 ° DWR\_NA0001\_02\_f \_ 2018\_33 DWR ID Comment Code

No Photos

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Monitor footpath on slope.

LM Start	1.92	Rating **	С	Issue No.		44
LM End	1.92	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
Category		Start		End		
Item	Erosion /	Bank Caving		38.6285	25°	38.628525°
item				-121.4694	15°	-121.469415 °
DWR ID	DWR_NA0	0001_02_s _ 2019_44				
	Comment Code					

No Photos

E1: Note and monitor erosion site.

Inspector Comment

Monitor erosion rills on slope.

\* Location LS: Land Side WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

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# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	2.05	Rating **	С	Issue No.		25	
LM End	2.05	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Slope Sta	Slope Stability			25°	38.630425°	
пеш				-121.4698	07°	-121.469807°	
DWR ID	DWR_NA0	001_02_f _ 201	5_25				
		Comn	nent Coc	de			
S2: Repair the levee slope damaged by foot traffic and prevent access where possible.							
		Inspecto	or Comm	nent			

No Photos

Rating \*\* Issue No. 2.22 С LM Start 31 Location \* LM End 2.22 Issue Type + LS Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.632841 ° 38.632841 ° Item -121.470258° -121.470258° DWR\_NA0001\_02\_f \_ 2018\_31 DWR ID Comment Code

No Photos

S1 : Repair slope instability.

Inspector Comment

Monitor slope damage.

LM Start	2.25	Rating **	С	Issue No.		30	
LM End	2.25	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.6333	08°	38.633308	0
item				-121.4703	49°	-121.470349	0
DWR ID	DWR_NA0	001_02_f _ 201	8_30				
		Comn	nent Coc	ما			

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Erosion is worsening around steps dug into levee slope.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	A/W · Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	2.36	Rating **	С	Issue No.		29	
LM End	2.36	Issue Type +	Ma	Location *		LS	
Catagony	Earthen Levee			GPS Latitude/Longitude			
Calegory	egory			Start		End	
Item	Slope Stability			38.634885 °		38.634885 °	
пеш				-121.470643°		-121.470643 °	
DWR ID	DWR_NA0	001_02_f _ 201	8_29				
		Comn	nent Coc	de			
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.							

Inspector Comment

Repair footpath on levee slope.

No Photos

Issue No. Rating \*\* С 2.59 LM Start 27 2.59 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.638109° 38.638109° Item -121.471254° -121.471254° DWR\_NA0001\_02\_f \_ 2016\_27 DWR ID

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

Inspector Comment

No Photos

Rating \*\* Issue No. LM Start 2.79 2.79 Issue Type + Ma Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.641029° 38.641029° Item -121.471801 ° -121.471801 ° DWR ID DWR\_NA0001\_02\_f \_ 2017\_1 Comment Code

ST: Stairway

Inspector Comment

Steps dug into the levee slope.

No Photos

\* Location N/A: Not Applicable LS: Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	10/31/2019 11/05/2019	Luz Dial

LM Start	2.81	Rating **	С	Issue No.		22	
LM End	2.81	Issue Type +	Ma	Location *		LS	
Category	evee		GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Slope Sta	bility		38.6413	09°	38.641309°	
пеш				-121.4717	98°	-121.471798°	
DWR ID DWR_NA0001_02_f _ 2018_22							
		Comn	nent Cod	de			
S2 : Repai where pos		slope damag	ed by fo	ot traffic an	d pr	event access	
	Inspector Comment						
Steps cut into levee slope.							

No Photos

Issue No. Rating \*\* С 2.92 LM Start 6 2.92 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.642950° 38.642950° Item -121.472166 ° -121.472166 ° DWR\_NA0001\_02\_f \_ 2018\_6 DWR ID Comment Code

No Photos

S1: Repair slope instability.

Inspector Comment

Monitor this location.

LM Start	3.12	Rating **	С	Issue No.	32			
LM End	3.12	Issue Type +	Ma	Location *		LS		
Category Earthen Levee			GPS Latitude/Longitude					
Category			Start		End			
Item	Erosion /	Bank Caving		38.6457	98°	38.645798°		
item				-121.4727	13°	-121.472713°		
DWR ID	R ID DWR_NA0001_02_s _ 2019_32					·		
	Comment Code							

No Photos

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

\* Location LS: Land Side

N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/31/2019 11/05/2019	Luz Dial

LM Start	0.98	Rating **	N	Issue No.		11	
LM End	0.98	Issue Type +	Ма	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Category	Category					End	
Item	Trim / Thi	n Trees		38.589902 °		38.589902°	
пеш			-121.435208 °		-121.435208°		
DWR ID	DWR_NA0	001_03_f _ 201	9_11				
		Comn	nent Coc	le			
T5 : Tree s	tumps.						
	Inspector Comment						

No Photos

LM Start	1.15	Rating **	М	Issue No.		16	
LM End	1.15	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Co	ontrol		38.5904	32°	38.590432°	
пеш					52°	-121.438252°	
DWR ID	DWR_NA0	001_03_f _ 201	9_16				

## Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

## Inspector Comment

Backfill rodent holes at the levee shoulder and slope.

# Photo 1 of 1: FA\_2019\_NA0001\_490\_16\_20191119\_00030.jpg



View of animal holes on the landside shoulder and slope. Fall 2019

LM Start	1.25	Rating **	M	Issue No.		14
LM End	1.25	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee	GPS Latitude/Longitude			
Calegory				Start	Start	
Item	Animal Co	ontrol		38.5905	32°	38.590532°
пеш				-121.4401	53°	-121.440153°
DWR ID	DWR NA0	001 03 f 201	9 14			

## Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

## Inspector Comment

Backfill rodent holes on the slope.

## Photo 1 of 1: FA\_2019\_NA0001\_490\_14\_20191119\_00031.jpg



View of an animal hole on the levee slope. Fall 2019

\* Location

N/A: Not Applicable LS: Land Side

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/31/2019 11/05/2019	Luz Dial

LM Start	1.42	Rating **	М	Issue No.		15	
LM End	1.42	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category					End	
Item	Animal Co	Animal Control			65°	38.592065 °	
пеш				-121.442407 °		-121.442407°	
DWR ID	DWR_NA0	001_03_f _ 201	9_15				
		Comn	nent Coo	le			
	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
	Inspector Comment						

Backfill rodent holes near the levee toe.

Photo 1 of 1: FA\_2019\_NA0001\_490\_15\_20191119\_00032.jpg



View of animal holes on the landside slope. Fall 2019

LM Start	1.88	Rating **	С	Issue No.		Issue No.		12
LM End	1.88	Issue Type +	Ma	Location *		LS		
Catagory	Earthen Levee			GPS Latitude/Longitude				
Category			Start		End			
Item	Encroachi	ments		38.5959	50°	38.595950°		
пеш			-121.4493	05°	-121.449305°			
DWR ID	DWR_NA0	001_03_s _ 201	9_12			·		

Comment Code

DE: Debris

Inspector Comment

Remove garbage.

No Photos

LM Start	3.15	Rating **	С	Issue No.		13	
LM End	3.15	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	titud	le/Longitude	
Category	tegory			Start		End	
Item	Animal Co	ontrol		38.5990	25°	38.599025	0
пеш				-121.4700	28°	-121.470028	0
DWR ID	DWR_NA0	001_03_s _ 201	9_13				
		Comn	nent Cod	le			

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Monitor animal activity.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side	A : Acceptable M : Minimally Acceptable	N : Not Inspected/Rated C : Corrected	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	10/31/2019 11/05/2019	Luz Dial

LM Start	3.17	Rating **	A/W	Issue No.		10
LM End	3.17	Issue Type +	Ma	Location *		LS
Earthen Levee				GPS La	atitud	e/Longitude
Category				Start		End
Item	Slope Sta	bility		38.5991	72 °	38.599172°
item						-121.470252°
DWR ID	DWR_NA0	001_03_f _ 201	9_10			
		Comn	nent Cod	de		
S2 : Repai where pos		slope damag	jed by fo	ot traffic an	d pr	event access
		Inspecto	or Comm	nent		
Monitor footpath around base of overpass.						



View of footpaths around column for the overpass. Fall 2019

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	0.02	Rating **	A/W	Issue No.		231
LM End	0.02	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Slope Sta	lope Stability			'80°	38.596780°
пеш				-121.506817 ° -121.5068		
DWR ID	DWR_NA0	001_04_f _ 201	9_231			
		Comn	nent Cod	de		
S2 : Repai where pos		slope damag	jed by fo	ot traffic an	d pre	event access
Inspector Comment						

No Photos

LM Start	0.40	Rating **	М	Issue No.		748	
LM End	0.40	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item		WR UCIP LM	Α	38.6004	36°	38.600436	0
пеш	Responsi	bility		-121.5020	58°	-121.502058	٥
DWR ID	24303						

## Comment Code

## Inspector Comment

DS\_ID:24303 FS\_ID:31249 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 12/19/2013

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP). Vince Rodriguez, forwarded email received from Tim Kerr. General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. No owner was identified, ARFCD Staff Notes indicate Abandoned (ARFCD/Bill) - No As-builts. (DWR UCIP - O. Magana) 12/19/2013 Non-functional crossing--need additional information about how crossing was abandoned. (DWR UCIP - O. Magana) FIELD\_STRUCT\_DESC: \*ABANDONED\* 42-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Gravel filled with both ends welded shut. Flap gate on the waterside (WS) end. Slide gate in corrugated metal riser and splash board drain structure on the landside (LS). (no permit has been identified authorizing this structure, no owner has been identified) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 1, August 1955, (Station 10+00)].



Overview of crossing location.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	0.40	Rating **	М	Issue No.		748 (cont)	
LM End	0.40	Issue Type +	Ma	Location *			
Category	Category Supplemental				GPS Latitude/Longitude		
Calegory	category		Start		End		
Item	DRAFT D	WR UCIP LM	A	38.60043	36°	38.600436°	
пеш	Responsil	oility	-121.5020	58°	-121.502058°		
DWR ID	24303					·	

## Inspector Comment

Comment Code

DS\_ID:24303 FS\_ID:31249 EP\_NO: N/A

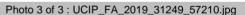
Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. No owner was identified, ARFCD Staff Notes indicate Abandoned (ARFCD/Bill) - No As-builts. (DWR UCIP - O. Magana) 12/19/2013 Non-functional crossing--need additional information about how crossing was abandoned. (DWR UCIP - O. Magana) FIELD\_STRUCT\_DESC: \*ABANDONED\* 42-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Gravel filled with both ends welded shut. Flap gate on the waterside (WS) end. Slide gate in corrugated metal riser and splash board drain structure on the landside (LS). (no permit has been identified authorizing this structure, no owner has been identified) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 1, August 1955, (Station 10+00)]. FS Date: 12/19/2013

LM Start	0.40	Rating **	М	Issue No.	748 (cont)
LM End	0.40	Issue Type +	Ma	Location *	



View of levee crown at this location.





View of waterward side--standpipe located on waterward slope. Standpipe filled with concrete.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	0.46	Rating **	М	Issue No.		227	
LM End	0.46	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.6007	° 08	38.600780°	
пеш				-121.5009	80°	-121.500980 °	
DWR ID DWR_NA0001_04_f _ 2019_227							
		Comn	nent Coo	de			
TR : Tree of	or limb						
		Inspecto	or Comm	nent			
Remove tr	Remove tree limb from the waterside slope.						

No Photos

Issue No. 0.71 Rating \*\* Μ 222 LM Start 0.71 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.601575° 38.601575° Item -121.496503 ° -121.496503 ° DWR\_NA0001\_04\_f \_ 2019\_222 DWR ID Comment Code DE: Debris Inspector Comment Remove tree limb debris on the levee slope.

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	1.49	Rating **	М	Issue No.		184
LM End	1.65	Issue Type +	Ма	Location *		WS
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	2017 USA	CE Erosion S	Survey	38.59987	8°	38.598791°
пеш				-121.48248	3°	-121.479799°
DWR ID	DWR_NA0	001_04_s _ 201	9_184			·

No Photos

Inspector Comment

Comment Code

2017 Site ID: LAR 1.8 L

Status: Eroding

2017 Field Notes: Site littered with homeless camps. Hard to survey.

Site extended downstream.

Site History: 2012 - Located just downstream of older repair. Failing rock at the upstream end. Erosion of the bank has exposed large tree roots.

LM Start	1.95	Rating **	A/W	Issue No.		244	
LM End	1.95	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory						End	
Item	Slope Sta	bility		38.5950	40°	38.595040°	
item				-121.4768	82°	-121.476882°	
DWR ID	DWR_NA0	001_04_f _ 201	5_244			·	

#### Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

## Inspector Comment

The erosion of the levee slope from the footpath appears to be stable at this time and should be monitored.

## Photo 1 of 1: FA\_2019\_NA0001\_55\_244\_20190904\_00185.jpg



View of the footpath on the landside levee slope. Fall 2016

U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence A/W : Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	1.95	Rating **	С	Issue No. 197		
LM End	1.95	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS La	atitud	le/Longitude
Category			Start		End	
Item	Slope Sta	Slope Stability			58°	38.594958 °
пеш				-121.4768	00°	-121.476800 °
DWR ID	DWR_NA0	9_197				
	Comment Code					

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Repair slope damage from steps dug out of slope.

Issue No. Rating \*\* С 2.86 248 LM Start 2.86 Issue Type + Ма Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Vegetation 38.587293° 38.587293 ° Item -121.464338 ° -121.464338° DWR\_NA0001\_04\_s \_ 2012\_248 DWR ID Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

D-4:-- \*\*

Inspector Comment

No Photos

No Photos

LM Start	3.63	Rating ***	C	issue ivo.	186			
LM End	3.63	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	titud	e/Longitude		
Calegory				Start		End		
Item	Animal Co	ontrol		38.58891	12°	38.588912	٥	
				-121.45100	)5°	-121.451005	٥	
DWR ID	DWR_NA0	001_04_s _ 201	9_186					
Comment Code								

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill rodent hole.

No Photos

\* Location LS: Land Side WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

I==--- NI=

N: Not Inspected/Rated C : Corrected

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	4.29	Rating **	A/W	Issue No.	e No. <b>283</b>		
LM End	4.29	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Slope Stability			38.58264	0°	38.582640°	
пеш				-121.44206	4 °	-121.442064°	
DWR ID	DWR_NA0001_04_f _ 2018_283						
		Comn	nent Coc	le .			

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Monitor footpath.

Issue No. Rating \*\* С 5.55 277 LM Start 5.55 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 38.576078° 38.576078° Item -121.423139° -121.423139° DWR\_NA0001\_04\_f \_ 2018\_277 DWR ID

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

No Photos

LM Start	5.92	Rating **	С	Issue No.		273	
LM End	5.94	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee	GPS La	atitud	le/Longitude		
				Start		End	
Item	Animal Co	ontrol		38.5707	55°	38.570395	0
item				-121.4242	06°	-121.424237	0
DWR ID	DWR_NA0	001_04_f _ 201	8_273				
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill animal holes.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	6.08	Rating **	A/W	Issue No.		232
LM End	6.08	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
			Start		End	
Item	Vegetation			38.5685	03 °	38.568503°
пеш				-121.4240	72 °	-121.424072 °
DWR ID	DWR_NA0	001_04_f _ 201	9_232			
		Comn	nent Cod	de		
V7 : Trees	/ Woody \	/egetation				
		Inspecto	or Comm	nent		
Trim tree c	r remove f	rom LS slope				

No Photos

Issue No. 6.16 Rating \*\* Μ 291 LM Start 6.16 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.567363° 38.567363° Item -121.423912 ° -121.423912 ° DWR\_NA0001\_04\_s \_ 2019\_291 DWR ID Comment Code

No Photos

TR : Tree or limb

Inspector Comment

Remove tree limb.

LM Start	6.20	Rating **	С	Issue No.		290	
LM End	6.20	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee	GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item	Encroach	ments		38.5667	87°	38.566787	0
Item				-121.4238	12°	-121.423812	0
DWR ID	DWR_NA0	001_04_s _ 201	9_290				
Comment Code							

TR : Tree or limb

Inspector Comment

Remove large tree limb at levee toe.

No Photos

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable AW: Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	6.24	Rating **	С	Issue No.	164		
LM End	6.24	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	de/Longitude	
Calegory				Start		End	
Item	Vegetation			38.5661	98°	38.566198	0
пеш				-121.4235	28°	-121.423528	0
DWR ID	DWR_NA0001_04_f _ 2012_164						
		Comn	nent Cod	de			
VA - Eldork	orrion oro	blooking vioib	ility and	flood fight	2000	hility	

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Elderberry bush at levee toe blocks visibility.

No Photos

LM Start	6.29	Rating **	С	Issue No.		271
LM End	6.29	Issue Type +	Ma	Location *	LS	
Category Earthen Levee				GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.5654	72°	38.565472 °
пеш			-121.4232	40°	-121.423240°	
DWR ID	DWR_NA0	001_04_f _ 201	8_271			

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill rodent holes.

No Photos

LM Start	6.34	Rating **	A/W	Issue No.		270		
LM End	6.34	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory		Start		End				
Slope Stability				38.5648	33°	38.564833	٥	
item		-121.422947 °		-121.422947	٥			
DWR ID	DWR_NA0	001_04_f _ 201	8_270					

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Monitor footpath.



View of footpath on slope. Fall 2018

\* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Page 8 of 18 **FINAL DATA** 

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	6.45	Rating **	A/W	Issue No.		288	
LIVI Start	0.43	rtating	/-\/ V V	10000 140.	200		
LM End	6.45	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
Item	Slope Stability			38.563243 °		38.563243 °	
пеш				-121.4224	23 °	-121.422423°	
DWR ID	DWR_NA0	001_04_s _ 201	9_288				
Comment Code							
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.							

Inspector Comment

No Photos

LM Start	6.57	Rating **	М	Issue No.		287	
LM End	6.57	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Erosion / Bank Caving			38.5618	00°	38.561800°		
item			-121.4214	07°	-121.421407°		
DWD ID	DWR NAO	001 04 c 201	0 287				

#### Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

## Inspector Comment

Repair erosion due to runoff.

Monitor footpath.

# Photo 1 of 1 : FA\_2019\_NA0001\_55\_287\_20191118\_00287.jpg



View of erosion rills downstream of the Guy West Bridge. Fall 2019

LM Start	6.62	Rating **	С	Issue No.	240			
LM End	6.65	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Animal Control			38.5611	21 °	38.560883	0		
item				-121.4207	66°	-121.420514	0	
DWR ID	DWR_NA0	001_04_s _ 201	7_240					

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

## Inspector Comment

Only two rodent burrows were visible due to vegetation.

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	6.87	Rating **	С	Issue No.		285	
LM End	6.87	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Animal Co	ontrol		38.5586	18°	38.558618 °	
пеш				-121.4175	15°	-121.417515°	
DWR ID DWR_NA0001_04_s _ 2019_285							
	Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and

Inspector Comment

No Photos

Rating \*\* С Issue No. 286 LM Start 6.88 Issue Type + Location \* WS LM End 6.88 Ма Earthen Levee GPS Latitude/Longitude Category Start Fnd **Animal Control** 38.558585° 38.558585 Item -121.417373° -121.417373° DWR\_NA0001\_04\_s \_ 2019\_286

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

The LMA backfilled numerous animal holes.

compact or grout burrows.

No Photos

Rating \*\* Issue No. LM Start 7.00 279 7.00 Issue Type + Ma Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 38.558013° 38.558013° Item -121.415205° -121.415205° DWR ID DWR\_NA0001\_04\_s \_ 2019\_279

Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

The LMA backfilled the animal hole.

No Photos

\*Location

LS : Land Side N/A : Not Applicable WS : Water Side N/A : Not Applicable CR : Crown

M : Minimally Acceptable CR : Corrected AW : Acceptable U : Unacceptable AW : Acceptable but Monitor & Maintain En Enforcement

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

D : Day Type

M : Maintenance Deficiancy Ob : Design & System Obsolescence

En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	7.12	Rating **	С	Issue No.		278	
LM End	7.12	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			38.5579	57°	38.557957 °	
пеш				-121.4130	22 °	-121.413022°	
DWR ID DWR_NA0001_04_s _ 2019_278							
	Comment Code						

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair erosion adjacent to concrete stairway.

7.17 С 275 LM Start Issue Type + Location \* LS LM End 7.17 Ма Earthen Levee GPS Latitude/Longitude Category Start Fnd **Animal Control** 38.557993° 38.557993° Item -121.412123° -121.412123° DWR ID

Issue No.

DWR\_NA0001\_04\_s \_ 2019\_275

Rating \*\*

Comment Code A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill two animal holes on levee shoulder.

No Photos

No Photos

Rating \*\* Issue No. LM Start 7.20 266 7.20 Issue Type + Ma Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 38.557995° 38.557995° Item -121.411579° -121.411579° DWR ID DWR\_NA0001\_04\_f \_ 2018\_266

Comment Code A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Large animal hole on levee slope.

No Photos

\* Location + Issue Type A : Acceptable M : Minimally A Ma : Maintenance Deficiancy N/A: Not Applicable LS: Land Side N : Not Inspected/Rated WS: Water Side Minimally Acceptable C : Corrected Ob : Design & System Obsolescence U : Unacceptable A/W : Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	7.25	Rating **	С	Issue No.		274
LM End	7.25	Issue Type +	Ма	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory	Category					End
Item	Trim / Thi	n Trees		38.5580	87°	38.558087°
пеш				-121.4107	12°	-121.410712°
DWR ID DWR_NA0001_04_s _ 2019_274						
	Comment Code					

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

Rating \*\* С Issue No. 7.91 269 LM Start Issue Type + Location \* LS LM End 7.92 Ма Earthen Levee GPS Latitude/Longitude Category Start Fnd **Animal Control** 38.559808° 38.559865 Item -121.398712° -121.398608 ° DWR\_NA0001\_04\_s \_ 2019\_269

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill rodent holes on levee on upper slope.

No Photos

Rating \*\* Issue No. 256 LM Start 8.65 8.66 Issue Type + Ma Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 38.564330° 38.564340° Item -121.386398° -121.386183° DWR ID DWR\_NA0001\_04\_s \_ 2019\_256

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill animal holes on levee slope.

No Photos

\* Location

N/A: Not Applicable

LS: Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	8.71	Rating **	С	Issue No.		255	
LM End	8.73	Issue Type +	Ма	Location *		LS	
Catagony	Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Itom	Animal Control			38.564483	3°	38.564530°	
Item				-121.38536	°	-121.385015°	
DWR ID	DWR_NA0	001_04_s _ 201	9_255			·	

Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Backfill animal holes on levee slope.

LM Start	8.75	Rating **	С	Issue No.	250		
LM End	8.75	Issue Type +	Ma	Location *	LS		
Catagory	Earthen Levee			GPS Latitude/Longitude			
Category			Start		End		
Item	Animal Control			38.5646	42°	38.564642 °	
пеш				-121.3845	20°	-121.384520°	
DWR ID	DWR_NA0	9_250					

Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Backfill hole on levee shoulder and exterminate rodents.

No Photos

No Photos

LM Start	8.77	Rating **	С	Issue No.	249		
LM End	8.77	Issue Type +	Ma	Location *		LS	
Catagory	Earthen L	GPS Latitude/Longitude					
Category		Start		End			
Item	Animal Control			38.5647	° 00	38.564700	0
			-121.3841	97°	-121.384197	0	
DWR ID	DWR_NA0	001_04_s _ 201	9_249				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill two large animal holes at levee toe and one small hole at the shoulder.

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	8.83	Rating **	N	Issue No.	230		
LM End	8.83	Issue Type +	Ma	Location *	LS		
Catagony	Earthen L	GPS Latitude/Longitude					
Category				Start		End	
Item	Trim / Thi		38.5649	29°	38.564929°		
item				-121.383248 °		-121.383248°	
DWR ID	DWR ID DWR_NA0001_04_f _ 2015_230						
Comment Code							

T5: Tree stumps.

## Inspector Comment

There are five shrub stumps with multiple branches at this location.



View of the multiple tree stumps at the landside levee toe.

LM Start	8.88	Rating **	С	Issue No.	242					
LM End	8.88	Issue Type +	Ma	Location *	WS					
Category	Earthen L		GPS Latitude/Longitude							
Calegory				Start		End				
Item	Erosion / Bank Caving			38.56566	8°	38.565668°				
item				-121.38289	o°	-121.382890 °				
DWR ID	DWR_NA0001_04_s _ 2019_242									

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

No Photos

LM Start	8.95	Rating **	A/W	Issue No.		252	
LM End	8.95	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
				Start		End	
Item	Slope Sta	bility		38.5656	96°	38.565696	0
пеш				-121.3811	41 °	-121.381141	0
DWR ID	DWR_NA0	001_04_f _ 201	8_252				

## Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

## Inspector Comment

Monitor slope damage from foot traffic.

# Photo 1 of 1 : FA\_2019\_NA0001\_55\_252\_20190904\_00190.jpg



View of footpath on levee toe. Fall 2018

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	9.48	Rating **	С	Issue No.	223			
LM End	9.48	Issue Type +	Ma	Location *	CR			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Encroachi	Encroachments			83°	38.566883	0	
пеш					20°	-121.371520	0	
DWR ID DWR_NA0001_04_s _ 2019_223								
		Comn	nent Cod	de				
PR : Pruni	ngs							
	Inspector Comment							

No Photos

LM S	tart	9.51	Rating **	С	Issue No.	221		
LM E	nd	9.51	Issue Type +	Ma	Location *	LS		
Catoo	Category	Earthen L	GPS Latitude/Longitude					
Calegory				Start		End		
ltor		Trim / Thin Trees			38.5670	73°	38.567073	٥
Item				-121.3709	95°	-121.370995	٥	
DWR	RID	DWR_NA0001_04_f _ 2019_221						
	Comment Code							

T5: Tree stumps.

Inspector Comment

Tree stumps line the fence.

No Photos

	LM Start	9.56	Rating **	Ν	Issue No.		123	
	LM End	9.56	Issue Type +	Ma	Location *		LS	
	Category	Earthen L	GPS Latitude/Longitude					
					Start		End	
	Item	Trim / Thin Trees			38.5672	46°	38.567246	0
					-121.3701	46°	-121.370146	0
	DWR ID	DWR_NA0	001_04_s _ 201	2_123			·	

Comment Code

T5: Tree stumps.

Inspector Comment

Trees, tree stump, bushes, and ground cover are within 10-ft of levee toe.

Photo 1 of 1: FA\_2019\_NA0001\_55\_123\_20190904\_00105.jpg



03/16/2012 Large tree stump at levee toe.

\* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	9.67	Rating **	M	Issue No.		268	
LM End	9.67	Issue Type +	Ма	Location *		LS	
Catagonia Earthen Levee				GPS Latitude/Longitude			
Calegory	Category					End	
Animal Control			38.5675	32 °	38.567532 °		
пеш				-121.3682	35 °	-121.368235 °	
DWR ID DWR_NA0001_04_f _ 2019_268							

Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Exterminate rodents and backfill squirrel hole underneath wooden steps.



View of a rodent hole underneath the wooden stairs. Fall 2019

LM Start	9.72	Rating **	N	Issue No.		234		
LM End	9.72	Issue Type +	Ma	Location *	LS			
Catagory	evee		GPS Latitude/Longitude					
Category				Start		End		
Itom	Trim / Thi	n Trees		38.567761°		38.567761 °		
Item				-121.3673	63°	-121.367363 °		
DWR ID DWR_NA0001_04_s _ 2015_234								
Comment Code								

T5: Tree stumps.

Inspector Comment



View of the tree stump at the landside levee toe.

LM Start	9.95	Rating **	С	Issue No.		213		
LM End	9.95	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory		Start		End				
Item	Trim / Thin Trees			38.5686	57°	38.568657	0	
пеш		-121.363290 °		-121.363290	0			
DWR ID DWR_NA0001_04_s _ 2019_213								
Comment Code								

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

Location LS: Land Side WS: Water Side

N/A: Not Applicable

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

	40.04	D-4: **		Innua Na		0.10	
LM Start	10.24	Rating **	С	Issue No.		218	
LM End	10.24	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Category		Start		End			
Item	Slope Stability			38.5699	84°	38.569984°	
item			-121.3581	82 °	-121.358182 °		
DWR ID DWR_NA0001_04_f _ 2018_218							
		Comn	nent Cod	de			
S1 : Repair slope instability.							
Inspector Comment							
Monitor footpath along levee slope.							

No Photos

LM Start	10.42	Rating **	A/W	Issue No.		228	
LM End	10.42	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Slope Stability				38.5705	36°	38.570536°	
item				-121.3549	57°	-121.354957°	
DWR ID	DWR_NA0	001_04_s _ 201	6_228				

## Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

## Inspector Comment

The erosion of the levee slope from the footpath appears to be stable at this time and should be monitored. A PVC pipe is exposed.

LM Start	10.42	Rating **	A/W	Issue No.	228 (cont)
LM End	10.42	Issue Type +	Ma	Location *	LS

## Photo 1 of 2 : FA\_2019\_NA0001\_55\_228\_20191118\_00295.jpg



View of erosion along a footpath. Fall 2019

Photo 2 of 2: FA\_2019\_NA0001\_55\_228\_20190904\_00177.jpg



View of the footpath on the levee slope.

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable AW: Acceptable but Monitor & Maintain

\*\* Rating

A: Acceptable M: N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

## **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	10/30/2019 11/01/2019	Luz Dial

LM Start	10.44	Rating **	A/W	Issue No.		219	
LM End	10.44	Issue Type +	Ма	Location *		WS	
Cotagon Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Slope Stability			38.57055	9°	38.570559°	
пеш				-121.35451	4°	-121.354514°	
DWR ID DWR_NA0001_04_s _ 2017_219							
Comment Code							

**Comment Code** 

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

## Inspector Comment

The erosion of the levee slope from the footpath appears to be stable at this time and should be monitored.

# Photo 1 of 1: FA\_2019\_NA0001\_55\_219\_20190904\_00172.jpg



View of the footpath on the levee slope.

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Sacramento River	Left	0.41	10/30/2019 10/30/2019	Luz Dial

No Maintenance Issues.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	10/31/2019 10/31/2019	Luz Dial

LM Start	0.02	Rating **	A/W	Issue No.		6		
LM End	0.02	Issue Type +	Ма	Location *				
Category				GPS Latitude/Longitude				
Category				Start		End		
Item		WR UCIP LM	A	38.65740	00°	38.657400°		
пеш	Responsibility				55 °	-121.474455 °		
DWR ID	24092							
	Comment Code							

# Inspector Comment

DS\_ID:24092 FS\_ID:26884 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD\_STRUCT\_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 22.7 feet below the crown. Two CM cutoff walls around pipe. Slide gate in 30-inch CM riser and flap gate at located on the waterside (WS) end. Concrete headwalls on both ends, WS and landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 2, August 1959, Drawing No. 1-4-392 of Exhibit B, (Station 396+65)].

FS Date: 12/20/2013

LM Start	0.02	Rating **	A/W	Issue No.	6 (cont)
LM End	0.02	Issue Type +	Ma	Location *	



View of levee crown at crossing.

# Photo 2 of 3: UCIP\_FA\_2019\_26884\_49629.jpg



View of landward side.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	10/31/2019 10/31/2019	Luz Dial

LM Start	0.02	Rating **	A/W	Issue No.		6 (cont)	
LM End	0.02	Issue Type +	Ма	Location *			
Catagony	Supplemental				titud	e/Longitude	
Calegory	Category		Start		End		
Itom	DRAFT D	WR UCIP LM	A	38.65740	00°	38.657400	۰
пеш	Responsibility		-121.47445	55 °	-121.474455	0	
DWR ID	24092						

# Inspector Comment

Comment Code

DS\_ID:24092 FS\_ID:26884 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD\_STRUCT\_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 22.7 feet below the crown. Two CM cutoff walls around pipe. Slide gate in 30-inch CM riser and flap gate at located on the waterside (WS) end. Concrete headwalls on both ends, WS and landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 2, August 1959, Drawing No. 1-4-392 of Exhibit B, (Station 396+65)].

FS Date: 12/20/2013



Concrete vault protected by posts located on waterward shoulder.

#### LM Start 0.32 Rating \*\* Issue No. Issue Type + Location \* WS 1.30 Ma LM End GPS Latitude/Longitude Earthen Levee Category End Vegetation 38.657893° 38.662273 Item -121.469085° -121.452393° DWR ID DWR\_NA0001\_06\_f \_ 2019\_4 Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

#### Photo 1 of 1: FA\_2019\_NA0001\_57\_4\_20191119\_00010.jpg



View of well-maintained waterside vegetation. Fall 2019

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
in En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	10/31/2019 10/31/2019	Luz Dial

LM Start	0.32	Rating **	Α	Issue No.		5		
LM End	1.30	Issue Type +	Ма	Location *		LS		
Category Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	Vegetatio	38.6578	93°	38.662272 °				
Rem				-121.4690	85°	-121.452390°		
DWR ID DWR_NA0001_06_f _ 2019_5								
		Comn	nent Cod	de				
V1 : Contro easements		rass and wee	ds on th	e levee slop	pes	and		
		Inspecto	or Comm	nent				

# Photo 1 of 1 : FA\_2019\_NA0001\_57\_5\_20191119\_00011.jpg

View of well-maintained landside vegetation. Fall 2019

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	0.03	Rating **	С	Issue No.		49			
LM End	0.03	Issue Type +	Ma	Location *		LS			
Catagonia Earthen Levee			GPS La	atitud	e/Longitude				
Calegory	Category					End			
Item	Repair Ga	tepair Gates			93°	38.620493 °			
пеш				-121.4673	70°	-121.467370°			
DWR ID	DWR ID DWR_NA0001_07_f _ 2019_49								
		Comn	nent Cod	de					
	Inspector Comment								
Repair the	Repair the access gate at the levee ramp.								

No Photos

Issue No. Rating \*\* С 0.42 LM Start 36 0.44 Issue Type + Ма Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.623653° 38.623803° Item -121.461383 ° -121.461138° DWR\_NA0001\_07\_s \_ 2019\_36 DWR ID Comment Code DE: Debris

No Photos

Inspector Comment Remove debris from levee shoulder.

LM Start	0.46	Rating **	С	Issue No.		42		
LM End	0.46	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroach	ncroachments			50°	38.623950 °		
item	3111			-121.460677 °		-121.460677 °		
DWR ID	DWR_NA0	001_07_s _ 201	9_42					
		Comn	nent Coo	de				
DE : Debri	S							
Inspector Comment								
Remove d	ebris on sh	oulder.						

No Photos

\* Location LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

		5					
LM Start	0.56	Rating **	С	Issue No.		45	
LM End	0.57	Issue Type +	Ma	Location *		WS	
Category	evee		GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Encroachi	ments		38.6248	33°	38.624988 °	
item				-121.4594	02°	-121.459302 °	
DWR ID	DWR ID DWR_NA0001_07_s _ 2019_45						
		Comn	nent Cod	de			
DE : Debri	S						
		Inspecto	or Comm	nent			
Remove d	Remove debris on the shoulder and slope.						

No Photos

LM Start	0.70	Rating **	М	Issue No.		38
LM End	0.70	Issue Type +	Ма	Location *		WS
Catagory	Earthen L	evee	GPS Latitude/Longitude			
Category		Start		End		
Item	Encroach	ments		38.6248	32°	38.624882 °
item				-121.4572	)3°	-121.457203°
DWR ID	DWR_NA0	001_07_f _ 201	9_38			

#### Comment Code

GA: Garbage

#### Inspector Comment

Remove garbage bags from levee shoulder near gate.

D-4:-- - \*\*



View of garbage bags located on the levee shoulder. Fall 2019

LM Start	0.83	Rating ***	C	issue ivo.		48	
LM End	0.83	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	de/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.6250	33°	38.625033	0
item				-121.4549	53°	-121.454953	0
DWR ID	DWR_NA0	001_07_s _ 201	9_48				
		Comn	nent Cod	de			

Inner NI

S1: Repair slope instability.

#### Inspector Comment

Repair slope damage from campers digging into the levee slope.

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.05	Rating **	С	Issue No.		5		
LM End	1.05	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Slope Sta	bility		38.6258	62°	38.625862	0	
пеш				-121.4509	78°	-121.450978	0	
DWR ID	DWR ID DWR_NA0001_07_f _ 2017_5							
		Comn	nent Cod	de				
S2 : Repai where pos		slope damag	jed by fo	ot traffic an	d pr	event access		
		Inspecto	or Comm	nent				

No Photos

LM Start	1.33	Rating **	A/W	Issue No.		54
LM End	1.33	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Category				Start		End
Item		WR UCIP LM	Α	38.62632	21 °	38.626321 °
пеш	Responsi	bility		-121.44596	64°	-121.445964 °
DWR ID	24370					

# Comment Code

#### Inspector Comment

DS\_ID:24370 FS\_ID:29301 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade CK just upstream of Rio Linda. (DWR

UCIP - O. Magana)

FIELD\_STRUCT\_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 11 feet below the crown. Slide gate in CM riser on the waterside (WS) slope. Flap gate on the WS end. Concrete headwalls on both ends, WS and landside (LS). (no permit has been identified authorizing this structure, structure is owned by the City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 65+73)]

FS Date: 12/20/2013

#### Photo 1 of 3: UCIP\_FA\_2019\_29301\_54278.jpg



View of flood wall along waterward side.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.33	Rating **	A/W	Issue No.	54 (cont)		
LM End	1.33	Issue Type +	Ма	Location *			
Catagory	Category				GPS Latitude/Longitude		
Category	tegory			Start		End	
Item	DRAFT D	WR UCIP LM	A	38.62632	1°	38.626321 °	
пеш	Responsil	oility		-121.44596	4 °	-121.445964°	
DWR ID	24370						
		Comn	nent Cod	de			

# Inspector Comment

DS\_ID:24370 FS\_ID:29301 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade CK just upstream of Rio Linda. (DWR UCIP - O. Magana)

FIELD\_STRUCT\_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 11 feet below the crown. Slide gate in CM riser on the waterside (WS) slope. Flap gate on the WS end. Concrete headwalls on both ends, WS and landside (LS). (no permit has been identified authorizing this structure, structure is owned by the City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 65+73)]

FS Date: 12/20/2013

LM Start	1.33	Rating **	A/W	Issue No.	54 (cont)
LM End	1.33	Issue Type +	Ma	Location *	



View of landward side.

#### Photo 3 of 3: UCIP\_FA\_2019\_29301\_54276.jpg



Concrete vault located on waterward shoulder.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.39	Rating **	С	Issue No.		34		
LM End	1.39	Issue Type +	Ма	Location *		LS		
Category	Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End		
Item	Slope Sta	bility		38.6266	01°	38.626601 °		
пеш				-121.445016 °		16° -121.445016°		
DWR ID DWR_NA0001_07_s _ 2012_34								
		Comn	nent Cod	de				
S2 : Repai where pos		slope damag	ed by fo	ot traffic an	d pr	event access		
		Inspecto	or Comm	nent				

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

#### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.47	Rating **	A/W	Issue No.	55			
LM End	1.47	Issue Type +	Ма	Location *				
Category			GPS Latitude/Longitude					
Category	Category		Start		End			
ltom	DRAFT D	WR UCIP LM	A	38.62720	)1 °	38.627201°		
пеш	Item Responsibility			-121.44379	0°	-121.443790°		
DWR ID	24371							
	Comment Code							

#### Inspector Comment

DS\_ID:24371 FS\_ID:29302 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck near Rivera Dr at Branch St. (DWR UCIP - O. Magana)

06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).

06/06/2017 Received documentation from the City of Sacramento indicating that this crossing was internally inspected on 11/25/2013, PACP Sewer Report was provided. No additional information was received from the City of Sacramento. PACP report indicates a 24-inch reinforced concrete pipe (RCP) not 24-inch corrugated metal pipe (CMP). (DWR UCIP – O. Magana)

FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 9.3 feet below the crown. Concrete headwalls on both waterside (WS) and landside (LS) ends. Slide gate inside CM riser located on the WS slope. Flap gate is located on the WS end. (24-inch referenced in USACE O&M manual -- no permit found, the City of Sacramento is the owner, according to permit records for 12886 "old pipe removed. Concrete pipe in placed and backfilled part of it". Conflicting information makes it difficult to determine fate of 24-inch pipe (extent of work completed under permit); 30-inch pipe and removal of old pipe was authorized under Permit No. 12886, 1980 - City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19129, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 70+09)]. FS Date: 12/20/2013



View of levee crown--flood wall located along waterward shoulder.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.47	Rating **	A/W	Issue No.		55 (cont)		
LM End	1.47	Issue Type +	Ма	Location *				
Category			GPS Latitude/Longitude					
Category	Category		Start		End			
ltom	DRAFT D	WR UCIP LM	A	38.62720	1°	38.627201°		
пеш	Item Responsibility			-121.44379	o°	-121.443790°		
DWR ID	24371							
	Comment Code							

#### Inspector Comment

DS\_ID:24371 FS\_ID:29302 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck near Rivera Dr at Branch St. (DWR UCIP - O. Magana)

06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).

06/06/2017 Received documentation from the City of Sacramento indicating that this crossing was internally inspected on 11/25/2013, PACP Sewer Report was provided. No additional information was received from the City of Sacramento. PACP report indicates a 24-inch reinforced concrete pipe (RCP) not 24-inch corrugated metal pipe (CMP). (DWR UCIP – O. Magana)

FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 9.3 feet below the crown. Concrete headwalls on both waterside (WS) and landside (LS) ends. Slide gate inside CM riser located on the WS slope. Flap gate is located on the WS end. (24-inch referenced in USACE O&M manual -- no permit found, the City of Sacramento is the owner, according to permit records for 12886 "old pipe removed. Concrete pipe in placed and backfilled part of it". Conflicting information makes it difficult to determine fate of 24-inch pipe (extent of work completed under permit); 30-inch pipe and removal of old pipe was authorized under Permit No. 12886, 1980 - City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19129, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 70+09)]. FS Date: 12/20/2013



Headwall with debris screen located at waterward toe.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

#### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.47	Rating **	A/W	Issue No.		55 (cont)		
LM End	1.47	Issue Type +	Ма	Location *				
Category				GPS Latitude/Longitude				
Calegory	Category		Start		End			
Item	DRAFT D	WR UCIP LM	A	38.62720	)1 °	38.627201°		
item	Deeneneihilitu		-121.44379	00°	-121.443790°			
DWR ID	24371							
	Comment Code							

#### Inspector Comment

DS\_ID:24371 FS\_ID:29302 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck near Rivera Dr at Branch St. (DWR UCIP - O. Magana)

06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).

06/06/2017 Received documentation from the City of Sacramento indicating that this crossing was internally inspected on 11/25/2013, PACP Sewer Report was provided. No additional information was received from the City of Sacramento. PACP report indicates a 24-inch reinforced concrete pipe (RCP) not 24-inch corrugated metal pipe (CMP). (DWR UCIP – O. Magana)

FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 9.3 feet below the crown. Concrete headwalls on both waterside (WS) and landside (LS) ends. Slide gate inside CM riser located on the WS slope. Flap gate is located on the WS end. (24-inch referenced in USACE O&M manual -- no permit found, the City of Sacramento is the owner, according to permit records for 12886 "old pipe removed. Concrete pipe in placed and backfilled part of it". Conflicting information makes it difficult to determine fate of 24-inch pipe (extent of work completed under permit); 30-inch pipe and removal of old pipe was authorized under Permit No. 12886, 1980 - City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19129, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 70+09)]. FS Date: 12/20/2013



View of waterward side--concrete vault and headwall.

NA0001

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#### Flood Control Project Maintenance Levee Inspections

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.64	Rating **	С	Issue No.		18	
LM End	1.64	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee			GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		38.6276	70°	38.627670°	
пеш				-121.4408	-121.440814°		
DWR ID DWR_NA0001_07_f _ 2017_18							
		Comn	nent Cod	de			
A3 : No roo compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.72	Rating **	A/W	Issue No.		57		
LM End	1.72	Issue Type +	Ма	Location *				
Category	Suppleme	ental		GPS Latitude/Longitude		le/Longitude		
Calegory	Category		Start		End			
Item	DRAFT D	WR UCIP LM	A	38.62810	3°	38.628108°		
пеш	Responsi	esponsibility		-121.43947	1°	-121.439471 °		
DWR ID	24373							
	Comment Code							

#### Inspector Comment

DS ID:24373 FS ID:29324 EP NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP -O. Magana).

FIELD STRUCT DESC: 24-inch reinforced concrete drainage pipe through the levee, 7.8 feet below the crown. Concrete headwall on each end. Slide gate inside a corrugated metal (CM) riser on the waterside (WS) slope. Flap gate at the outlet. (No permit has been identified authorizing this structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19126, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 77+12)]. FS Date: 12/20/2013

Photo 1 of 3: UCIP\_FA\_2019\_29324\_54305.jpg



View of landward side.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.72	Rating **	A/W	Issue No.		57 (cont)		
LM End	1.72	Issue Type +	Ма	Location *				
Category			GPS Latitude/Longitude					
Category	Category		Start		End			
ltom	DRAFT D	WR UCIP LM	A	38.62810	8°	38.628108°		
пеш	Item Responsibil			-121.43947	'1 °	-121.439471 °		
DWR ID	24373							
	Comment Code							

#### Inspector Comment

DS\_ID:24373 FS\_ID:29324 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).

FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 7.8 feet below the crown. Concrete headwall on each end. Slide gate inside a corrugated metal (CM) riser on the waterside (WS) slope. Flap gate at the outlet. (No permit has been identified authorizing this structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19126, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 77+12)].



Floodwall along waterward shoulder.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.72	Rating **	A/W	Issue No.		57 (cont)
LM End	1.72	Issue Type +	Ма	Location *		
Category	Suppleme	ental	GPS Lat	e/Longitude		
Calegory				Start		End
Item		WR UCIP LM	A	38.62810	8°	38.628108°
пеш	Responsil	oility		-121.43947	1 °	-121.439471 °
DWR ID	24373					

## Inspector Comment

Comment Code

DS\_ID:24373 FS\_ID:29324 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).

FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 7.8 feet below the crown. Concrete headwall on each end. Slide gate inside a corrugated metal (CM) riser on the waterside (WS) slope. Flap gate at the outlet. (No permit has been identified authorizing this structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19126, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 77+12)]. FS Date: 12/20/2013

Photo 3 of 3 : UCIP\_FA\_2019\_29324\_54306.jpg

Concrete headwall with debris screen located on waterward toe.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.83	Rating **	A/W	Issue No.	58		
LM End	1.83	Issue Type +	Ма	Location *			
Category	Suppleme	ental	GPS Latitude/Longitude				
Calegory		Start		End			
Item		WR UCIP LM	A	38.6283	81 °	38.628381 °	
пеш	Responsi	oility		-121.4374	12°	-121.437412°	
DWR ID 24375							
	Comment Code						

#### Inspector Comment

DS ID:24375 FS ID:29326 EP NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP -O. Magana).

FIELD STRUCT DESC: 24-inch reinforced concrete drainage pipe through the levee, 8.6 feet below the crown. Slide gate inside a corrugated metal (CM) riser unit on the waterside (WS) slope. Flap gate at the outlet. Concrete headwall on each end. (No permit has been identified authorizing the original structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19127, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118, Part No. 2, October 1959, Drawing No. 1-4-392, Exhibit B, (Station 84+62)]. FS Date: 12/20/2013



Floodwall along waterward shoulder for almost entire Unit.

U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma: Maintenance Deficiancy

Ob : Design & System Obsolescence En: Enforcement

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#### Flood Control Project Maintenance Levee Inspections

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.83	Rating **	A/W	Issue No.		58 (cont)	
LM End	1.83	Issue Type +	Ма	Location *			
Category	Suppleme	ental		GPS La	tituc	le/Longitude	
Category	Category				Start		
Item		WR UCIP LM	A	38.62838	81 °	38.628381	0
пеш	Responsil	oility		-121.43741	2 °	-121.437412	0
DWR ID 24375							
	Comment Code						

#### Inspector Comment

DS\_ID:24375 FS\_ID:29326 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).

FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 8.6 feet below the crown. Slide gate inside a corrugated metal (CM) riser unit on the waterside (WS) slope. Flap gate at the outlet. Concrete headwall on each end. (No permit has been identified authorizing the original structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19127, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118, Part No. 2, October 1959, Drawing No. 1-4-392, Exhibit B, (Station 84+62)]. FS Date: 12/20/2013

# Photo 2 of 3: UCIP\_FA\_2019\_29326\_54318.jpg

View of waterward slope.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

#### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.83	Rating **	A/W	Issue No.	58 (cont)		
LM End	1.83	Issue Type +	Ma	Location *			
Category	Suppleme	GPS La	tituc	le/Longitude			
Calegory			Start		End		
Item		WR UCIP LM	A	38.6283	81 °	38.628381 °	
пеш	Responsil	bility		-121.4374	12°	-121.437412°	
DWR ID 24375							
Comment Code							

#### Inspector Comment

DS\_ID:24375 FS\_ID:29326 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).

FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 8.6 feet below the crown. Slide gate inside a corrugated metal (CM) riser unit on the waterside (WS) slope. Flap gate at the outlet. Concrete headwall on each end. (No permit has been identified authorizing the original structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19127, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118, Part No. 2, October 1959, Drawing No. 1-4-392, Exhibit B, (Station 84+62)]. FS Date: 12/20/2013

Photo 3 of 3: UCIP\_FA\_2019\_29326\_54320.jpg

Inside view of concrete riser located on waterward shoulder--debris found at the bottom of riser.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	10/31/2019 11/05/2019	Luz Dial

LM Start	1.84	Rating **	С	Issue No.		47		
LM End	1.84	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.6284	08°	38.628385 °		
пеш				-121.4373	38°	-121.437320°		
DWR ID	DWR_NA0	001_07_s _ 201	9_47					
		Comn	nent Cod	de				
T5 : Tree s	tumps.							
		Inspecto	or Comm	nent				
Remove tv	Remove two tree stumps on levee easement.							

No Photos

Issue No. Rating \*\* С 1.84 46 LM Start 1.84 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.628385° 38.628385° Item -121.437320° -121.437320° DWR\_NA0001\_07\_s \_ 2019\_46 DWR ID Comment Code S1: Repair slope instability. Inspector Comment Backfill hole on the slope.

No Photos

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	10/31/2019 10/31/2019	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		9		
LM End	1.43	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		38.667935 °		38.660817°		
пеш				-121.4474	07°	-121.429325 °		
DWR ID	DWR_NA0	001_08_f _ 201	9_9					
	Comment Code							
V1 : Control annual grass and weeds on the levee slopes and easements.								

Inspector Comment

Photo 1 of 1: FA\_2019\_NA0001\_59\_9\_20191122\_00018.jpg



View of well-maintained landside vegetation. Fall 2019

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	1.43	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee	GPS Latitude/Longitud				
Calegory				Start		End	
Item	Vegetatio	n		38.6679	35°	38.660817°	
item				-121.4474	07°	-121.429325°	
DWR ID DWR_NA0001_08_f _ 2019_11							

#### Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment





View of well-maintained waterside vegetation. Fall 2019

Photo 1 of 1: FA\_2019\_NA0001\_59\_14\_20190904\_00009.jpg

LM Start	0.29	Rating **	A/W	Issue No.		14	
LM End	0.29	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.6681	96°	38.668196	0
пеш				-121.4421	71 °	-121.442171	0
DWR ID	DWR NA0	001 08 f 201	8 14				

#### Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Monitor slope damage from foot traffic and erosion near ditch and former gate. This is a wide section of levee.



View of slope damage near gate on an oversized section of levee. Fall 2018

Location + Issue Type Ma : Maintenance Deficiancy N/A: Not Applicable LS: Land Side : Acceptable : Minimally Acceptable N : Not Inspected/Rated WS: Water Side C : Corrected Ob : Design & System Obsolescence U : Unacceptable A/W : Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	10/31/2019 10/31/2019	Luz Dial

LM Start	0.49	Rating **	С	Issue No.	24			
LM End	0.49	Issue Type +	Ма	Location *	WS			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory	alegory		Start		End			
Item	Slope Sta	bility		38.66812	23°	38.668123°		
пеш				-121.43866	60°	-121.438660 °		
DWR ID	DWR_NA0	001_08_s _ 201	9_24					
	Comment Code							

S2: Repair the levee slope damaged by foot traffic and prevent access

Inspector Comment

Monitor footpath on waterside slope.

where possible.

No Photos

No Photos

Rating \*\* С Issue No. LM Start 1.39 10 Issue Type + Location \* LS LM End 1.39 Ma Earthen Levee GPS Latitude/Longitude Category Start Fnd Trim / Thin Trees 38.660990° 38.660990° Item -121.430113° -121.430113 ° DWR\_NA0001\_08\_f \_ 2018\_10 DWR ID

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

Rating \*\* Issue No. LM Start 1.43 17 1.43 Issue Type + Ma Location \* CR LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 38.660820° 38.660820° Item -121.429445 ° -121.429445° DWR ID DWR\_NA0001\_08\_s \_ 2019\_17

Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Monitor animal activity, and backfill animal hole near gate.

No Photos

\* Location

N/A: Not Applicable LS: Land Side

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	11/05/2019 11/05/2019	Luz Dial

0.01	Rating **	A/W	Issue No.		20			
0.01	Issue Type +	Ma	Location *		WS			
Category Earthen Levee				atitud	e/Longitude			
			Start		End			
Slope Sta	bility		38.5679	53°	38.567953 °			
			-121.3833	43°	-121.383343 °			
DWR_NA0	001_09_s _ 201	9_20						
	Comn	nent Cod	de					
r the levee sible.	slope damag	jed by fo	ot traffic an	d pr	event access			
	Inspecto	or Comm	nent					
Monitor footpath.								
	0.01 Earthen Louis Slope Stall DWR_NA00 r the levee sible.	0.01 Issue Type + Earthen Levee Slope Stability  DWR_NA0001_09_s _ 201 Common the levee slope damagesible.  Inspector	0.01 Issue Type + Ma  Earthen Levee  Slope Stability  DWR_NA0001_09_s _ 2019_20  Comment Coorr the levee slope damaged by fo sible.  Inspector Comment	0.01         Issue Type +         Ma         Location *           Earthen Levee         GPS Last         Start           Slope Stability         38.5679         -121.3833           DWR_NA0001_09_s _ 2019_20         Comment Code           r the levee slope damaged by foot traffic ansible.         Inspector Comment	0.01 Issue Type + Ma Location *  Earthen Levee GPS Latitud Start  Slope Stability 38.567953 ° -121.383343 °  DWR_NA0001_09_s _ 2019_20 Comment Code  r the levee slope damaged by foot traffic and presible.  Inspector Comment			

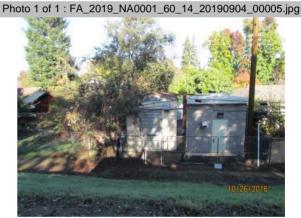
Photo 1 of 1 : FA_2019_NA0001_60_20_20191119_00044.jpg	
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View of footpath on the waterside slope. Fall 2019

LM Start	0.45	Rating **	N	Issue No.		14	
LM End	0.45	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.5662	98°	38.566298 °	
item				-121.3906	80°	-121.390680°	
DWR ID DWR_NA0001_09_s _ 2012_14							
Comment Code							

T5: Tree stumps.

Inspector Comment



View of tree trunk at fence line. Fall 2016

LM Start	1.55	Rating **	М	Issue No.		26			
LM End	1.62	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atituc	de/Longitude			
Calegory				Start		End			
Item	Trim / Thi	im / Thin Trees			10°	38.561080	0		
item				-121.4099	07°	-121.411070	0		
DWR ID	DWR_NA0	001_09_s _ 201	9_26						
	Comment Code								
T1: Trim t	rees to at l	east five feet	above g	round level.					

Inspector Comment

No Photos

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	11/05/2019 11/05/2019	Luz Dial

LM Start	1.68	Rating **	М	Issue No.	29			
LM End	1.70	Issue Type +	Ma	Location *	LS			
Category	Category Earthen Levee			GPS Latitude/Longitude				
Calegory	negory			Start		End		
Item	Trim / Thi	Trim / Thin Trees		38.5608	58°	38.560832 °		
пеш				-121.4122	73 °	-121.412603 °		
DWR ID	DWR_NA0	001_09_s _ 201	9_29					
Comment Code								
T1: Trim t	T1 : Trim trees to at least five feet above ground level.							

Inspector Comment

...ороспол останист

Issue No. Rating \*\* 1.83 Μ LM Start 24 1.83 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.560953° 38.560953° Item -121.415048° -121.415048° DWR\_NA0001\_09\_f \_ 2019\_24 DWR ID Comment Code

TR : Tree or limb

Inspector Comment

Remove a large tree limb at the levee toe.

No Photos

No Photos

LM Start	1.88	Rating **	С	Issue No.		28			
LM End	1.88	Issue Type +	Ма	Location *	LS				
Category	Earthen Levee				GPS Latitude/Longitude				
Calegory	alegory		Start		End				
Item	Slope Sta	bility		38.56117	1 °	38.561171	0		
item				-121.41580	8 °	-121.415808	0		
DWR ID	DWR_NA0	001_09_s _ 201	6_28						

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

No Photos

\* Location

LS: Land Side N/A: Not Applicable

WS : Water Side N/A : Not Ap

Λ · Λ

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	11/05/2019 11/05/2019	Luz Dial

LM Start	2.05	Rating **	A/W	Issue No.		22	
LM End	2.05	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start End			
Item Animal Control			38.5624	87°	38.562487°		
			-121.4184	62°	-121.418462°		
DWR ID	DWR_NA0	001_09_f _ 201	9_22				
		Comn	nent Cod	de			
Inspector Comment							
Monitor an	Monitor animal activity.						

No Photos

Issue No. Rating \*\* С 2.17 LM Start 19 2.17 Issue Type + Ма Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 38.563904° 38.563904° Item -121.419690 ° -121.419690 ° DWR\_NA0001\_09\_f \_ 2018\_19 DWR ID

No Photos

Comment Code A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Monitor rodent activity and backfill hole.

	LM Start	2.67	Rating **	A/W	Issue No.		18	
	LM End	2.67	Issue Type +	Ma	Location *		LS	
	Category	Earthen L	GPS Latitude/Longitude					
	Calegory				Start		End	
	Item	Slope Sta	bility		38.5710	65°	38.571065	0
	item				-121.4208	65 °	-121.420865	0
DWR ID DWR_NA0001_09_f _ 2018_18								
Comment Code								

S2: Repair the levee slope damaged by foot traffic and prevent access

Inspector Comment

No Photos

\* Location

where possible

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	11/05/2019 11/05/2019	Luz Dial

LM Start	2.73	Rating **	С	Issue No.		9		
LM End	2.73	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS Lat	itud	e/Longitude		
Category				Start	End			
Item	Slope Sta	bility		38.57186	8°	38.571868°		
пеш				-121.42060				
DWR ID DWR_NA0001_09_s _ 2018_9								

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Footpath appears to be stable at this time but should be monitored for further erosion.

No Photos

No Photos

Rating \*\* С Issue No. 2.92 LM Start R Issue Type + Location \* LS LM End 2.92 Ma Earthen Levee GPS Latitude/Longitude Category Start Fnd Slope Stability 38.574474° 38.574474° Item -121.419734° -121.419734° DWR\_NA0001\_09\_f \_ 2017\_8 DWR ID

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

Inspector Comment

Rating \*\* Issue No. LM Start 3.17 21 3.17 Issue Type + Ma Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.578007° 38.578007° Item -121.418470 ° -121.418470° DWR ID DWR\_NA0001\_09\_f \_ 2019\_21 Comment Code

PR: Prunings

Inspector Comment

Remove prunings that obstruct visibility of levee slope.

No Photos

\* Location LS: Land Side

N/A: Not Applicable

WS: Water Side

A : Acceptable
M : Minimally A Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	11/13/2019 11/13/2019	Luz Dial

LM Start	1.27	Rating **	М	Issue No.	31	
LM End	1.27	Issue Type +	Ма	Location *	WS	
Category Earthen Levee				GPS Latitude/Longitude		
				Start	End	
Item	Animal Co	ontrol		38.5838	92 °	38.583892 °
пеш	item				28°	-121.340028 °
DWR ID	R ID DWR_NA0001_10_f _ 2019_31					
Comment Code						

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Backfill animal hole in the toe road behind the Sheriff's Academy.

No Photos

No Photos

LM Start	1.45	Rating **	С	Issue No.		32		
LM End	1.48	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start	Start End			
Item	Trim / Thi	n Trees		38.5821	72°	38.582012°		
пеш				-121.342440 ° -121.342812				
DWR ID	DWR_NA0	001_10_s _ 201	9_32			·		

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

LM Start	1.51	Rating **	M	Issue No.		25	
LM End	1.51	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	ments		38.58174	5 °	38.581745°	
ILEIII				404 0400	70	404 040057 0	

DWR ID DWR\_NA0001\_10\_f \_ 2018\_25

Comment Code

TR: Tree or limb

Inspector Comment

Vegetation partially obstructs access.

# Photo 1 of 1: FA\_2019\_NA0001\_61\_25\_20190904\_00007.jpg



View of vegetation at landside toe. Fall 2018

\* Location

N/A: Not Applicable LS: Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	11/13/2019 11/13/2019	Luz Dial

LM Start	1.91	Rating **	М	Issue No.		30	
LM End	1.91	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	tituc	le/Longitude	
Calegory				Start	End		
Item	Animal Co	ontrol		38.57878	32 °	38.578782°	
item				-121.349662 ° -121.349662		-121.349662°	
DWR_NA0001_10_f _ 2019_30							

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

#### Inspector Comment

Backfill animal hole at the edge of the levee toe easement next to the fence.



View of animal hole at the edge of the levee toe easement. Fall 2019

LM Start	2.07	Rating **	М	Issue No.		36	
LM End	2.07	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start	End		
Item	Animal Co	ontrol		38.5775	73°	38.577573°	
item				-121.352332° -121.352332°			
DWR ID	DWR_NA0	001_10_s _ 201	9_36				

#### Comment Code

A1: Exterminate rodents and backfill and compact or grout burrows.

#### Inspector Comment

LM Start	2.07	Rating **	М	Issue No.	36 (cont)
LM End	2.07	Issue Type +	Ma	Location *	LS

### Photo 1 of 2: FA\_2019\_NA0001\_61\_36\_20190904\_00011.jpg



View of squirrel hole with activity along toe road. Spring 2019

Photo 2 of 2 : FA\_2019\_NA0001\_61\_36\_20190904\_00012.jpg



View of animal holes on levee slope and toe road. Spring 2019

\* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A: Acceptable
N: Not Inspected/Rated
N: Not Inspected/Rated
C: Corrected
C: Corrected
C: Corrected
D: Unacceptable
U: Unacceptable
A/W: Acceptable but Monitor & Maintain
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	11/13/2019 11/13/2019	Luz Dial

LM Start	2.41	Rating **	A/W	Issue No.	7				
LM End	2.41	Issue Type +	Ma	Location *		LS			
Category	evee	GPS La	atitud	e/Longitude					
Calegory	Category			Start		End			
Item	Slope Stability			38.5751	26°	38.575126°			
item				-121.3575	75 °	-121.357575°			
DWR ID	DWR_NA0	001_10_f _ 201	3_7						
		Comn	nent Cod	de					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.									
		Inspector Comment							

Photo 1 of 1: FA\_2019\_NA0001\_61\_7\_20190904\_00002.jpg



View of the pathway on the landside levee slope. Fall 2013

LM Start	3.21	Rating ** A/W		Issue No.		24	
LM End	3.21	Issue Type +	Ма	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Slope Stability			38.5699	73°	38.569973 °	
пеш				-121.3708	17°	-121.370817°	
DWR ID	DWR ID DWR_NA0001_10_f _ 2018_24						

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Monitor the footpath for possible further erosion.

No Photos

	LM Start	3.22	Rating **	A/W	Issue No.		2	
	LM End	3.22	Issue Type +	Ma	Location *		LS	
Category Earthen Levee					GPS Latitude/Longitude			
	Calegory				Start		End	
	Item	Slope Sta	bility		38.5699	55°	38.569955	0
	пеш				-121.3709	88 °	-121.370988	0
	DWR ID	DWR NA0	001 10 f 201	7 2				Т

#### Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Monitor the footpath for possible further erosion.



Photo 1 of 1: FA\_2019\_NA0001\_61\_2\_20190904\_00001.jpg

View of the footpath on the levee slope. Fall 2017

\* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A: Acceptable
N: Not Inspected/Rated
N: Not Inspected/Rated
C: Corrected
M: Minimally Acceptable
C: Corrected
D: Unacceptable
A/W: Acceptable but Monitor & Maintain
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	11/13/2019 11/13/2019	Luz Dial

LM Start	3.24	Rating **	A/W	Issue No.		23	
LM End	3.24	Issue Type +	Ма	Location *		LS	
Catagoria Earthen Levee				GPS Latitude/Longitude			
Calegory	Category					End	
Item	Slope Stability			38.5699	30°	38.569930°	
пеш				-121.371353 °		-121.371353 °	
DWR ID	DWR_NA0	001_10_f _ 201	8_23			·	
		Comn	nent Cod	de			
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.							
Inspector Comment							
Monitor the	e footpath	for possible fu	irther ero	osion.		-	

No Photos

3.25	Rating **	С	Issue No.		43	
3.25	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude		
Category					End	
Encroachments ltem Encroachments				80°	38.569880°	
			-121.3715	08°	-121.371508°	
DWR ID DWR_NA0001_10_s _ 2019_43						
	3.25 Earthen L Encroach	3.25 Issue Type + Earthen Levee Encroachments	3.25 Issue Type + Ma Earthen Levee Encroachments	3.25 Issue Type + Ma Location *  Earthen Levee GPS La  Start  Encroachments 38.5698  -121.3715	3.25   Issue Type +   Ma   Location *    Earthen Levee   GPS Latitude   Start   Encroachments   38.569880   -121.371508	

Comment Code

PR: Prunings

Inspector Comment

No Photos

	LM Start	3.48	Rating **	M	Issue No.		19	
	LM End	3.48	Issue Type +	Ма	Location *		LS	
	Category	GPS Latitude/Longitude						
Calegory					Start		End	
	Slope Stability			38.5694	94°	38.569494	0	
пеш			-121.3756	84°	-121.375684	0		
	DWR ID	DWR_NA0	001_10_f _ 201	3_19				

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment



View of footpath on landside slope. Spring 2019

\* Location

LS: Land Side

WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	11/13/2019 11/13/2019	Luz Dial

LM Start	3.49	Rating **	М	Issue No.	21	
LM End	3.49	Issue Type +	Ma	Location *		LS
Catagonia Earthen Levee				GPS La	atitud	e/Longitude
Category				Start		End
Item	Slope Sta	bility		38.5694	84°	38.569484°
пеш				-121.3758	41 °	-121.375841 °
DWR ID DWR_NA0001_10_f _ 2015_21						
		Comn	nent Cod	de		
S2 : Repai where pos		slope damag	jed by fo	ot traffic an	d pr	event access
		Inspecto	or Comm	nent		

LM Start	3.49	Rating **	М	Issue No.	21 (cont)
LM End	3.49	Issue Type +	Ma	Location *	LS



View of footpath on landside slope. Spring 2019

Photo 2 of 2 : FA\_2019\_NA0001\_61\_21\_20190904\_00006.jpg



View of the footpath on the landside levee slope.

LM Start	3.56	Rating **	N	Issue No.		29	
LM End	3.56	Issue Type +	Ма	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.5692	242°	38.569242°	
Item				-121.377169°		-121.377169°	
DWR ID	DWR ID DWR_NA0001_10_s _ 2017_29						
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			
Three tree	Three tree stumps are within the levee easement.						



View of the tree stumps within the levee easement. Spring 2017

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	11/13/2019 11/13/2019	Luz Dial

LM Start	3.64	Rating **	М	Issue No.		47	
LM End	3.64	Issue Type +	Ma	Location *		LS	
Category	evee		GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Trim / Thi	n Trees		38.5689	10°	38.568910	0
пеш				-121.3785	72°	-121.378572	0
DWR ID	DWR_NA0	001_10_s _ 201	9_47				
		Comn	nent Coo	de			
T1 : Trim t	rees to at l	east five feet	above g	round level	•		
		Inspecto	or Comm	nent			

No Photos

Issue No. Rating \*\* 48 3.67 Μ LM Start 3.67 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 38.568827° 38.568827° Item -121.379042 ° -121.379042° DWR\_NA0001\_10\_s \_ 2019\_48 DWR ID

Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

LM Start	3.77	Rating **	N	Issue No.	28		
LM End	3.77	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category					End	
Item	Trim / Thi	n Trees		38.5683	75°	38.568375°	
пеш				-121.3808	89°	-121.380889°	
DWR ID DWR_NA0001_10_s _ 2017_28							
Comment Code							

T5: Tree stumps.

Inspector Comment



View of the tree stump at the levee toe. Spring 2017

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek	Left	0.73	10/31/2019 10/31/2019	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.73	Issue Type +	Ma	Location *		LS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.6624	65°	38.667975 °	
item				-121.4578	807°	-121.447383 °	
DWR ID DWR_NA0001_11_f _ 2019_6							
		Comn	nent Cod	de			
V1 : Contre		grass and wee	eds on th	e levee slo	pes a	and	
		Inspecto	or Comm	nent			



View of well-maintained landside vegetation. Fall 2019

LM Start	0.00	Rating **	Α	Issue No.		7		
LM End	0.73	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory	Category					End		
Itom	Vegetatio	n		38.6624	65°	38.667975°		
пеш	Item				07°	-121.447383°		
DWR ID DWR_NA0001_11_f _ 2019_7								
	Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



View of well-maintained waterside vegetation. Fall 2019

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	11/01/2019 11/01/2019	Luz Dial

LM Start	0.22	Rating **	A/W	Issue No.		8		
LM End	0.22	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		38.5722	265°	38.572265°		
item				-121.3512	267°	-121.351267°		
DWR ID DWR_NA0001_12_s _ 2017_8								
		Comn	nent Cod	de				
S2 : Repai where pos		slope damag	ed by fo	ot traffic an	id pre	event access		
		Inspecto	or Comm	nent				



View of the footpath on the levee slope.

LM Start	0.56	Rating **	С	Issue No.	4	
LM End	0.56	Issue Type +	Ma	Location *	LS	
Category Earthen Levee				GPS Latitude/Longitude		
Calegory	Category					End
Item	Slope Sta	bility		38.5753	70°	38.575370°
item			-121.3465	83 °	-121.346583 °	
DWR ID	DWR_NA0	001_12_f _ 201	5_4			·

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

No Photos

LM Start	0.73	Rating **	A/W	Issue No.		3
LM End	0.73	Issue Type +	Ma	Location *		LS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End
Item	Slope Sta	bility		38.5766	63°	38.576663°
пеш			-121.3438	05 °	-121.343805°	
DWR ID	DWR_NA0	001_12_f _ 201	5_3			

#### Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

Inspector Comment



View of the footpath on the landside levee slope.

\* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Page 2 of 2

#### Flood Control Project Maintenance Levee Inspections

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

# **American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	11/01/2019 11/01/2019	Luz Dial

	_						
LM Start	0.82	Rating **	С	Issue No.		12	
LM End	0.82	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Encroachments			38.5771	67°	38.577167°	
				-121.3423	32°	-121.342332 °	
DWR ID DWR_NA0001_12_s _ 2019_12							
Comment Code							
PR : Prunings							
Inspector Comment							

No Photos